0.1 and 0.2 mm and a corrugation depth of approximately half the switching movement, the membrane has a number Z of full corrugations which is greater than 1 + integer of the cube root of the external membrane diameter D_A minus the power current connecting bolt diameter D_B multiplied by the wall thickness s of the membrane, but at least 3, with the individual dimensions to be used being in millimeters. The boundary condition mentioned above is expressed as a mathematically formulated relationship as follows:

$$Z \geq 1 + \text{integer } (\sqrt[3]{[(D_A - D_B) * s]}), \text{ at least 3.}$$

IN THE CLAIMS

Please amend the claims as follows.

2.   (Twice Amended) The vacuum switching chamber as claimed in claim 1, wherein, for a switching movement of 3 to 5 mm, the membrane includes:

a wall thickness s of between 0.1 and 0.2 mm,

a corrugation depth t of approximately half the switching movement, and

a number Z of full corrugations, all of which satisfy the condition $Z \geq 1 + \text{integer}$ $(\sqrt[3]{[(D_A - D_B) * s]})$, at least 3, where D_A = external diameter of the membrane, D_B = diameter of the power current connecting bolt of the moving contact tip, and s = thickness of the membrane.